

1. Record Nr.	UNISA996466068303316
Titolo	Case-Based Reasoning Research and Development [[electronic resource]] : 4th International Conference on Case-Based Reasoning, ICCBR 2001 Vancouver, BC, Canada, July 30 - August 2, 2001 Proceedings / / edited by David W. Aha, Ian Watson
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2001
ISBN	3-540-44593-5
Edizione	[1st ed. 2001.]
Descrizione fisica	1 online resource (XII, 764 p.)
Collana	Lecture Notes in Artificial Intelligence ; ; 2080
Disciplina	006.3/33
Soggetti	Artificial intelligence Mathematical logic Programming languages (Electronic computers) Information technology Business—Data processing Artificial Intelligence Mathematical Logic and Formal Languages Programming Languages, Compilers, Interpreters IT in Business
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Papers -- Highlights of the European INRECA Projects -- The Synthesis of Expressive Music: A Challenging CBR Application -- Why Case-Based Reasoning is Attractive for Image Interpretation -- Research Papers -- Similarity Assessment for Relational CBR -- Acquiring Customer Preferences from Return-Set Selections -- The Role of Information Extraction for Textual CBR -- Case-Based Reasoning in Course Timetabling: An Attribute Graph Approach -- Ranking Algorithms for Costly Similarity Measures -- A Fuzzy-Rough Approach for Case Base Maintenance -- Learning and Applying Case-Based Adaptation Knowledge -- Case Representation Issues for Case-Based Reasoning from Ensemble Research -- A Declarative Similarity Framework for Knowledge Intensive CBR -- Classification Based

Retrieval Using Formal Concept Analysis -- Conversational Case-Based Planning for Agent Team Coordination -- A Hybrid Approach for the Management of FAQ Documents in Latin Languages -- Taxonomic Conversational Case-Based Reasoning -- A Case-Based Reasoning View of Automated Collaborative Filtering -- A Case-Based Approach to Tailoring Software Processes -- The Conflict Graph for Maintaining Case-Based Reasoning Systems -- Issues on the Effective Use of CBR Technology for Software Project Prediction -- Incremental Case-Based Plan Recognition Using State Indices -- A Similarity-Based Approach to Attribute Selection in User-Adaptive Sales Dialogs -- When Two Case Bases Are Better than One: Exploiting Multiple Case Bases -- COBRA: a CBR-Based Approach for Predicting Users Actions in a Web Site -- Similarity vs. Diversity -- Collaborative Case-Based Reasoning: Applications in Personalised Route Planning -- Helping a CBR Program Know What It Knows -- Precision and Recall in Interactive Case-Based Reasoning -- Meta-Case-Based Reasoning: Using Functional Models to Adapt Case-Based Agents -- Exploiting Interchangeabilities for Case Adaptation -- Ensemble Case-Based Reasoning: Collaboration Policies for Multiagent Cooperative CBR -- MaMa: A Maintenance Manual for Case-Based Reasoning Systems -- Rough Sets Reduction Techniques for Case-Based Reasoning -- sequential Instance-Based Learning for Planning in the Context of an Imperfect Information Game -- Learning Feature Weights from Case Order Feedback -- Adaptation by Applying Behavior Routines and Motion Strategies in Autonomous Navigation -- An Accurate Adaptation-Guided Similarity Metric for Case-Based Planning -- Releasing Memory Space Through a Case-Deletion Policy with a Lower Bound for Residual Competence -- Using Description Logics for Designing the Case Base in a Hybrid Approach for Diagnosis Integrating Model and Case-Based Reasoning -- Application Papers -- T-Air: A Case-Based Reasoning System for Designing Chemical Absorption Plants -- Benefits of Case-Based Reasoning in Color Matching -- CBR for Dimensional Management in a Manufacturing Plant -- Real-Time Creation of Frequently Asked Questions -- Managing Diagnostic Knowledge in Text Cases -- Emerging Applications -- CBR Adaptation for Chemical Formulation -- A Case-Based Reasoning Approach for Due-Date Assignment in a Wafer Fabrication Factory -- DubLet: An Online CBR System for Rental Property Recommendation -- Improved Performance Support through an Integrated Task-Based Video Case Library -- Transforming Electronic Mail Folders into Case Bases -- Case-Based Reasoning in the Care of Alzheimer's Disease Patients -- Prototype of an Intelligent Failure Analysis System -- Applying CBR and Object Database Techniques in Chemical Process Design -- Mining High-Quality Cases for Hypertext Prediction and Prefetching.

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#### Sommario/riassunto

The 2001 International Conference on Case-Based Reasoning (ICCBR 2001, [www.iccbr.org/iccb01](http://www.iccbr.org/iccb01)), the fourth in the biennial ICCBR series (1995 in Sesimbra, Portugal; 1997 in Providence, Rhode Island (USA); 1999 in Seeon, Germany), was held during 30 July – 2 August 2001 in Vancouver, Canada. ICCBR is the premier international forum for researchers and practitioners of case based reasoning (CBR). The objectives of this meeting were to nurture significant, relevant advances made in this field (both in research and application), communicate them among all attendees, inspire future advances, and continue to support the vision that CBR is a valuable process in many research disciplines, both computational and otherwise. ICCBR 2001 was the first ICCBR meeting held on the Pacific coast, and we used the setting of beautiful Vancouver as an opportunity to enhance participation from the Pacific Rim communities, which contributed 28%

of the submissions. During this meeting, we were fortunate to host invited talks by Ralph Bergmann, Ken Forbus, Jaiwei Han, Ramon López de Mántaras, and Manuela Veloso. Their contributions ensured a stimulating meeting; we thank them all.

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